

Amendment to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) Process for preparing homopolymers, copolymers ~~and~~ or block copolymers of one or more 1-olefins, comprising adding one or more monomer in succession in the presence of transition metal compounds having a fluorenyl ligand, at least one further ligand and at least one donor-acceptor interaction between the ligands or reaction products of these transition metal compounds and a cocatalyst(s), wherein the process is carried out in the temperature range from -40° to +15°C.
2. (Original) The process according to Claim 1, wherein the at least one further ligand is a cyclopentadienyl ligand or a substituted cyclopentadienyl ligand.
3. (Currently Amended) The process according to Claim 1, wherein the block copolymer(s) are based on one or ~~more polar or nonpolar monomers~~ non polar monomers and an additional block, wherein the additional block is a polar monomer.
4. (Currently Amended) The process according to Claim 1, wherein the homopolymer(s) and copolymer(s) have ~~has~~ a polydispersity M_w/M_n in the range from 1 to 2.
5. (Original) A process for preparing 2-block copolymers comprising the process of Claim 1.
6. (Original) A process for preparing 3-block copolymers comprising the process of Claim 1.

7. (Original) The process according to Claim 1 further comprising adding a termination reagent(3), wherein the homopolymer(s), copolymer(s) or block copolymer(s) is end-functionalized.
8. (Currently Amended) A process for preparing polymers having bimodal molar mass distributions according to Claim 1, further comprising the presence of a second transition metal compound with or without a donor-acceptor interaction, ~~wherein the difference between the two molar masses is able to be varied by the length of the reaction.~~
9. (Original) An elasticized, high-impact thermoplastic comprising a block copolymer prepared according to Claim 1.
10. (Original) A rubber having high green strength comprising a block copolymer prepared according to Claim 1.
11. (Original) A thermoplastic elastomers (TPEs) having a melting point greater than +60°C and a glass transition temperature of less than +10°C comprising a block copolymer prepared according to Claim 1.
12. (Original) A thermoplastic elastomers (TPEs) having a melting point greater than +60°C and a glass transition temperature of less than +10°C comprising a 3-block copolymer prepared according to Claim 1.
13. (Original) A homopolymer prepared according to the process according to Claim 1.
14. (Original) A copolymer prepared according to the process according to Claim 1.

15. (Original) A block copolymer prepared according to the process according to Claim 1.
16. (Original) A polymer blend comprising the homopolymer, copolymer or block copolymer prepared according to Claim 1.
17. (New) A process for preparing block copolymers built of nonpolar polymer blocks according to Claim 1 further comprising an additional block, wherein the additional block is polyisobutylene, polybutadiene, polystyrene, polycaprolactam and polytetrahydrofuran.